

Substitute for form 1449A/PTO & 1449B/PTO			<b>Complete if Known</b>	
<b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)			Application Number	10/815,562
			Filing Date	March 31, 2004
			First Named Inventor	Mohamed Zaiou et al.
			Examiner Name	
			Attorney Docket Number	034123-096
Sheet	1	of	2	

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS											
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
Rm	WO 02/13857		WIPO	11 Feb 02							

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
Rm	Benincasa et al., "In vitro and in vivo antimicrobial activity of two alpha-helical cathelicidin peptides and of their synthetic analogs," Peptides, Vol. 24, No. 11, pp. 1723-1731, November 2003
Rh	Gallo et al., "Identification of CRAMP, a cathelin-related antimicrobial peptide expressed in the embryonic and adult mouse," J. Biol. Chem., Vol. 272, No. 20, pp. 13088-93, May 16, 1997
Rh	Gennaro et al., "Pro-rich antimicrobial peptides from animals: structure, biological functions and mechanism of action," Curr. Pharm. Des. Vol. 8, No. 9, pp. 763-78, 2002
Rh	Gennaro et al., "Structural features and biological activities of the cathelicidin-derived antimicrobial peptides," Biopolymers, Vol. 55, No. 1, pp. 31-49, 2000
Rh	Gennaro et al., "Biological characterization of a novel mammalian antimicrobial peptide," Biochim Biophys Acta, Vol. 1425, No. 2, pp. 361-8, October 23, 1998
Rh	Ha et al., "Synthesis and Antibiotic Activities of CRAMP, a Cathelin-related Antimicrobial Peptide and Its Fragments," Bull. Korean Chem. Soc., Vol. 20, No. 9, pp. 1073-1077, 1999

Examiner Signature	RITA MITRA	Date Considered	01/23/06
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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# **FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2 of 2

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Rh	Howell et al., "Selective Killing of Vaccinia Virus by LL-37: Implications for Eczema Vaccinatum," J. of Immunol., Vol 172, pp. 1763-1767, 2004
Rh	Ong et al., "Endogenous Antimicrobial Peptides And Skin Infections In Atopic Dermatitis," N Engl. J. Med., Vol 347, No. 15, pp. 1151-1160, October 10, 2002
Rh	Sanchez et al., "Overexpression and structural study of the cathelicidin motif of the protegrin-3 precursor," Biochemistry, Vol. 41, No. 1, pp. 21-30, January 8, 2002
Rh	Skerlavaj et al., "Structural and functional analysis of horse cathelicidin peptides," Antimicrob. Agents Chemother., Vol. 45, No. 3, pp. 715-22, March 2001
Rh	Tjabringa et al., "The Antimicrobial Peptide LL-37 Activates Innate Immunity at the Airway Epithelial Surface by Transactivation of the Epidermal Growth Factor Receptor," J. of Immunol., Vol. 171, pp. 6690-6696, 2003
Rh	Zaiou et al., "Antimicrobial and Protease Inhibitory Functions of the Human Cathelicidin (hCAP18/LL-37) Prosequence," J. of Invest. Derm., Vol. 120, No. 5, pp. 810-816, May 2003
Rh	Zanetti et al., "Cathelicidin peptides as candidates for a novel class of antimicrobials," Curr. Pharm. Des., Vol 8, No. 9, pp. 779-93, 2002
Rh	Zanetti et al., "Structure and biology of cathelicidins," Adv. Exp. Med. Biol., Vol. 479, pp. 203-218, 2000
Rh	Zanetti et al., "The cathelicidin family of antimicrobial peptide precursors: a component of the oxygen-independent defense mechanisms of neutrophils," Ann. N. Y. Acad. Sci., Vol. 832, pp. 147-62, December 15, 1997

Examiner  
SignatureDate  
Considered

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# **SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Sheet

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Application Number	10/815,562
Filing Date	March 31, 2004
First Named Inventor	Mohamed Zaiou et al.
Examiner Name	
Attorney Docket Number	034123-096

**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
Rh	5,618,675		Larrick	04/08/1997
Rh	6,040,291		Hirata	03/21/2000
Rh	2003/0022829	A1	Maury	01/30/2003

**FOREIGN PATENT DOCUMENTS**

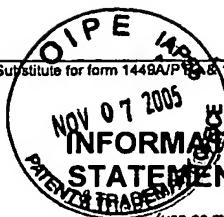
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
Rh	WO 02/060468	A2	WIPO	08/08/2002							

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Examiner Signature	RITA MITRA	Date Considered	01/23/06
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First Named Inventor Mohamed Zaiou et al.  
Examiner Name Rita Mitra  
Attorney Docket Number 034123-096

## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
Sh	4,482,680		Sheldon	11-13-1984
Rh	2003/0022829	A1	Maury	01-30-2003

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
Sh	1 358 888	A1	EP	11-05-2003							

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Sh	ZANETTI, Margherita; Renato Gennaro, Barbara Skerlavaj; Linda Tomasinsig and Raffaella Circo; "Cathelicidin Peptides as Candidates for a Novel Class of Antimicrobials" Current Pharmaceutical Design, 2002, Vol. 8, No. 9, pp 779-793
Rh	SMEIANOV, Vladimir; Kellie Scott, and Gregor Reid; "Activity of Cecropin P1 and FA-LL-37 Against Urogenital Microflora" Microbes and Infections, 2000, Vol. 2, pp. 773-777
Rh	JOHANSSON, Jan; Gudmundur H. Gudmundsson; Martin E. Rottenberg; Kurt D. Berndt; and Birgitta Agerberth; "Conformation-dependent Antibacterial Activity of the Naturally Occurring Human Peptide LL-37" The Journal of Biological Chemistry, Vol. 273, No. 6, February 6, 1998, pp 3718-3724

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